SPARE PARTS MASTER

Operating Instructions

STEREO MULTI-PLAY CD CASSETTE DECK RECEIVER

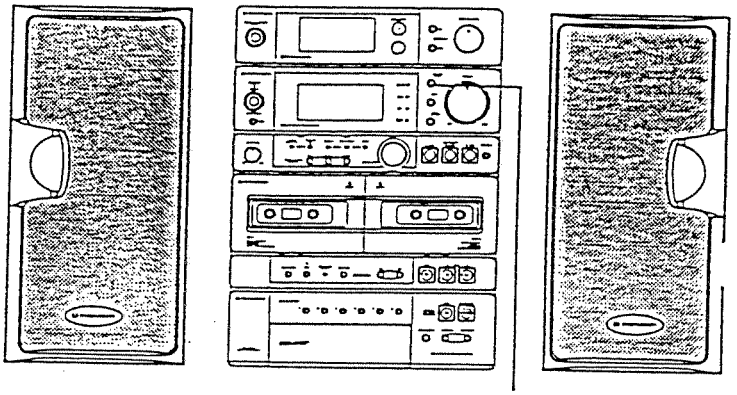
XR-P740M/XR-P640M /XR-P340M

STEREO CD CASSETTE DECK RECEIVER

XR-P340

SPEAKER SYSTEM

S-P740V-LRC/S-P640V/S-P340V/ S-P340A (for U.S. and Canadian models)



The illustration shows XR-P640M and S-P640V.

Demo Function

If the FUNCTION (DEMO) button is pressed when the power is in STANDBY mode, the demonstration mode will be selected and power will be turned ON automatically.
In the demo mode, various functions of this system appear on the display.

- To exit the demo mode, turn off the power or press the FUNCTION (DEMO) button.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE

[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure place. This is for your security.

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

[FOR U.S. MODEL]
CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

PIONEER®
The Art of Entertainment

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

The wires in this mains lead are coloured in accordance with the following code :

blue neutral
brown live

If the plug provided is unsuitable for your socket outlets, the plug must be cut off and a suitable plug fitted. The cut-off plug should be disposed of and must not be inserted into any 13 amp socket as this can result in electric shock. The plug or adaptor or the distribution panel should be provided with 13 amp fuse. As the colours of the wires in the mains lead of this appliance may not correspond with coloured markings identifying the terminals in your plug, proceed as follows :

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal of a three pin plug.

NOTE
After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost, replacement fuse covers can be obtained from your dealer.

This appliance is rated at 13 amps. Only 13 amp fuses approved to B.S. 1362 A.S.T.A. should be used.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The operating instructions should be retained for future reference.

HEED WARNING – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES – An outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the appliance.
- The appliance has been exposed to rain.
- The appliance does not appear to operate normally or exhibits a marked change in performance.
- The appliance has been dropped or the enclosure damaged.

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

NEC – NATIONAL ELECTRIC CODE

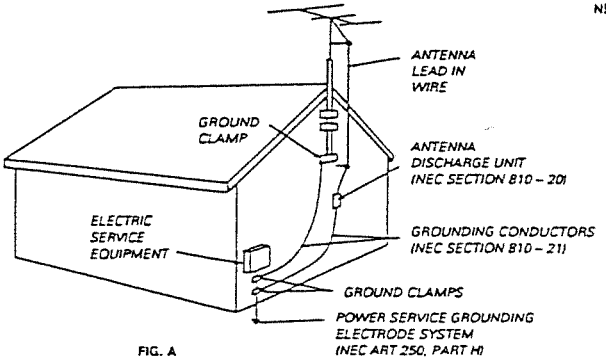

ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810 – 20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810 – 21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

FIG. A

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.

The following caution label appears on your unit.

Location: rear of the unit

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

The Magazine Type Multi-Play CD Players with mark and the Magazines with the same mark are compatible for 5-inch (12cm) discs.

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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CAUTIONS REGARDING HANDLING

Location

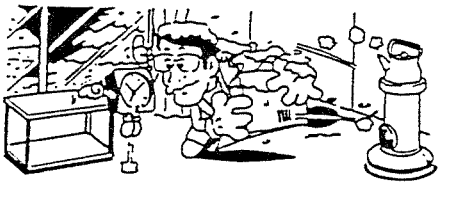
Install the unit in a well-ventilated location where it will not be exposed to high temperature or humidity. Do not install the unit in a location which is exposed to direct rays of the sun, or near stoves or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the unit in a damp or dusty environment may also result in malfunction or accident. (Avoid installation near cookers, etc., where the unit may be exposed to smoke from oil, steam or heat.)

Precautions regarding installation

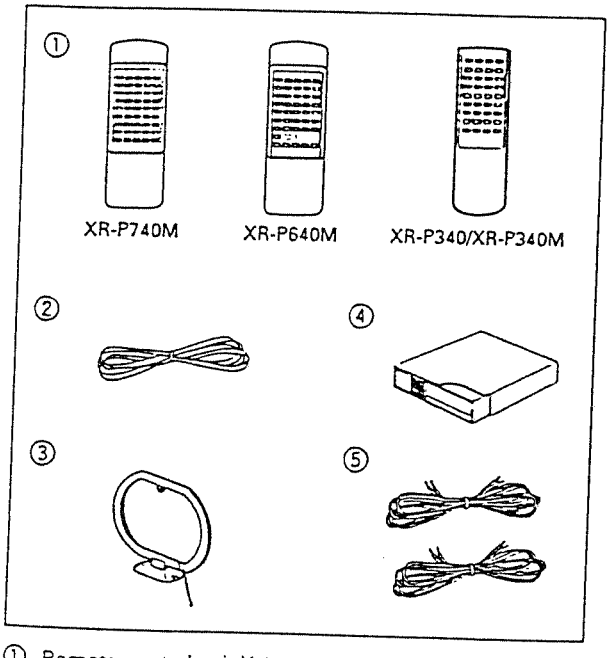
- Placing and using the unit for long periods on heat-generating sources will affect performance. Avoid placing the unit on heat-generating sources.
- Install the unit as far away as possible from your TV. Installation in close proximity to such equipment may cause noise or degradation of the picture.
- Such noise may be particularly noticeable when an indoor antenna is used. In such cases, make use of an outdoor antenna, or turn off the power to the unit.
- Please place this unit on a level surface.

Condensation

When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside, and the unit may not be able to attain its full performance. If this occurs, allow the unit to stand for about an hour or raise the room temperature gradually.

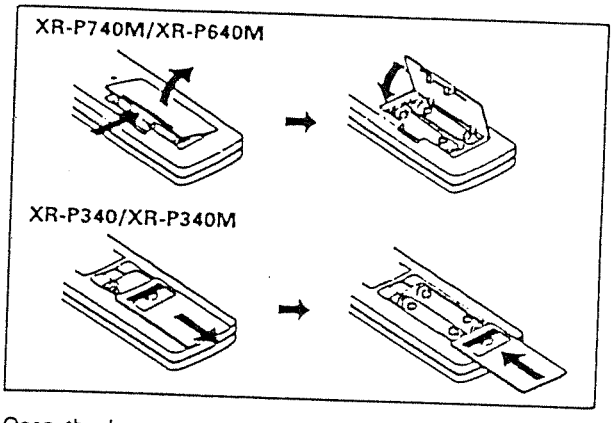


CONFIRM SUPPLIED ACCESSORIES



① Remote control unit X 1
② FM T-type antenna X 1
③ AM loop antenna X 1
④ 6-compact disc magazine X 1
(For only Multi-play CD cassette deck receiver. Called magazine in the explanatory text.)
⑤ Speaker cords X 2 (S-P740V-LRC, S-P640V)

PUT BATTERIES INTO THE REMOTE CONTROL UNIT

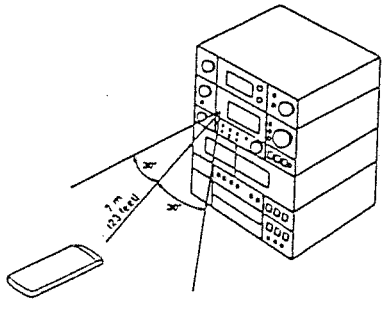


Open the battery compartment cover on the back of the remote control unit.
Insert size "AA" (IEC R6P) dry cell batteries into the battery compartment in accordance with the indications (⊕ , ⊖) inside the compartment (Purchase the commercially available batteries).
Close the cover of the battery case.

Incorrect use of batteries may cause leakage or rupture. Always be sure to follow these guidelines:
A. Always insert batteries into the battery compartment correctly matching the positive ⊕ and negative ⊖ polarities, as shown by the display inside the compartment.
B. Never mix new and used batteries.
C. Batteries of the same size may have different voltages, depending on brand. Do not mix different brands of batteries.

REMOTE CONTROL OPERATIONS

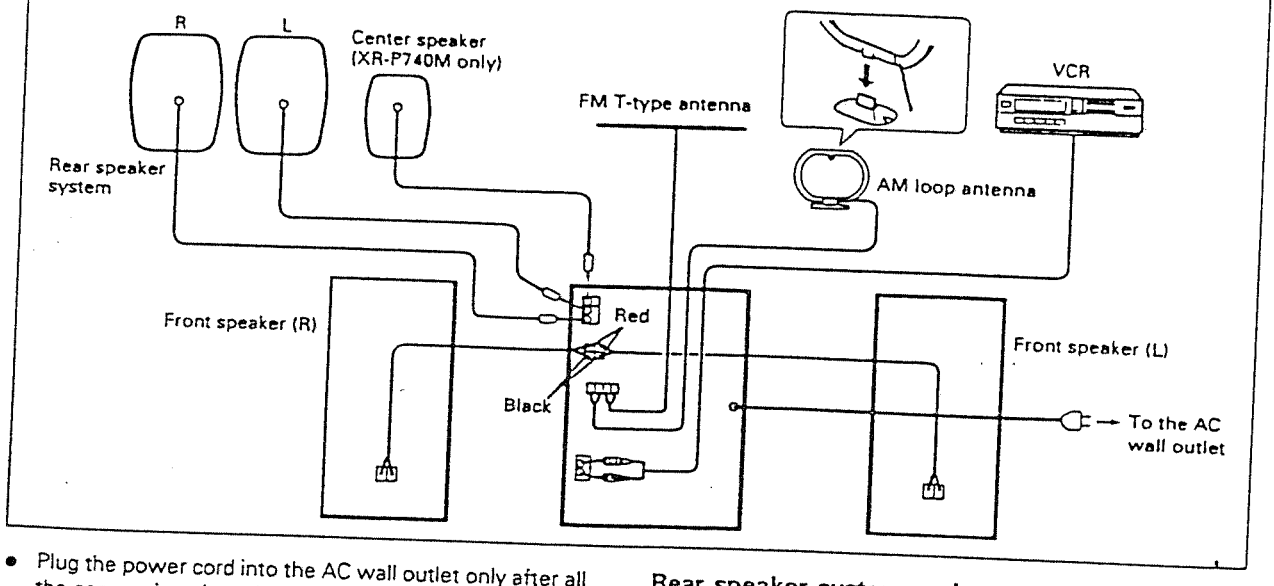
The remote control unit can be used within a range of approx. 7 meters (23 feet) from the remote sensor, and within angles of up to approx. 30 degrees.



- *If the remote control sensor window is in a position where it receives strong light such as sunlight or fluorescent light, control may not be possible.*

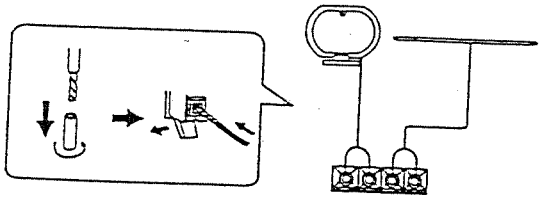
CONNECTIONS

The illustration shows XR-P740M.



- Plug the power cord into the AC wall outlet only after all the connections have been completed.
- Be sure to connect an antenna. If you do not, broadcast signal reception will not be possible.

1 Connect AM loop antenna and FM T-type antenna to the unit's antenna terminals.

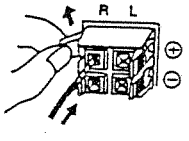


2 Connect the speaker cords to the SPEAKERS terminal.

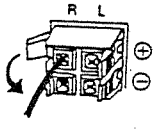
Connect the red cords to the "+" (red) terminals and the black cords to the "–" (black) terminals.

① **Twist the wire strands.**

② **Push away the tab and insert the cord into the terminal.**



③ **Pull back the tab. Be sure to tighten the cords firmly.**



NOTE:

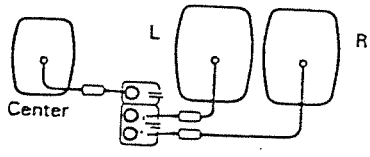
Do not allow the conductors of the cords to project out of the terminals or to come into contact with other conductors. A breakdown or failure may occur when conductors touch.

Speaker impedance

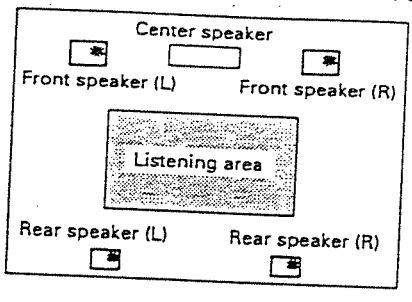
Connect speaker systems with a nominal impedance ranging from 8 to 16 Ω.

Rear speaker system and center speaker system connection (Center speaker : XR-P740M only)

- Connect the plugs properly.
- Rear speaker equipped with standard pin plug and with a nominal impedance of 16 Ω or more can be connected instead of S-P55. (S-X7 : for U.S. and Canadian models)



Rear speaker and center speaker installation example



When mounting rear speaker system on a wall

- Use the hole located on the rear panel of the speaker to mount it on a wall.
  Make sure the speakers will not drop when they are mounted on a wall.
- Check the wall if it is strong enough to hang the speakers on it.
  PIONEER disclaims the responsibility for damages due to dropping of the speakers and other accidents, which are caused by inappropriate strength of the wall of improper installation.
- No screws, or other fittings are supplied to mount the speaker on the wall.

3 When using a video cassette recorder, connect the output cord to the VIDEO/AUX input jacks.

4 Finally, plug the power cord into the AC wall outlet.

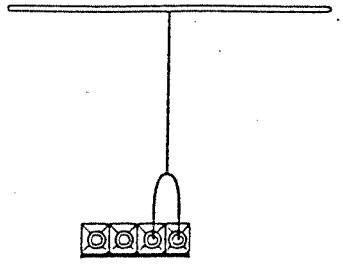
NOTE:
Insert the plugs securely into the jacks. Improper connection can lead to sound distortion or malfunction.

ANTENNA CONNECTIONS

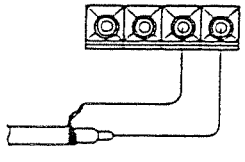
Radio reception is not possible unless the antenna is properly connected.
The strength of broadcast signals varies from one area to another. Signal propagation is especially poor in metropolitan areas, where there are many tall buildings, and in mountainous areas. Proper antenna installation is vital to good reception.

FM ANTENNA

FM T-type antenna
Stretch the antenna and affix it to a wall, etc.



External FM antenna installation
Use an external antenna when the signals from stations are weak and cannot be picked up by the accessory FM T-type antenna, or when the sound heard is accompanied by large amounts of noise.
U.S., Canadian, Australian and multi-voltage models:
Connect a 75 Ω coaxial cable.



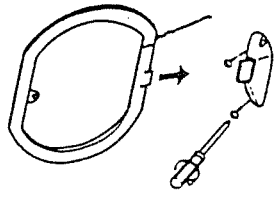
AM ANTENNA

The antenna should be placed at a distance from the tuner, and should not be allowed to touch metallic objects. Avoid placing it near CD players, personal computers, television sets, and other devices generating radio frequencies.

- Place the antenna on a level surface and rotate it to find the orientation that yields the best reception.

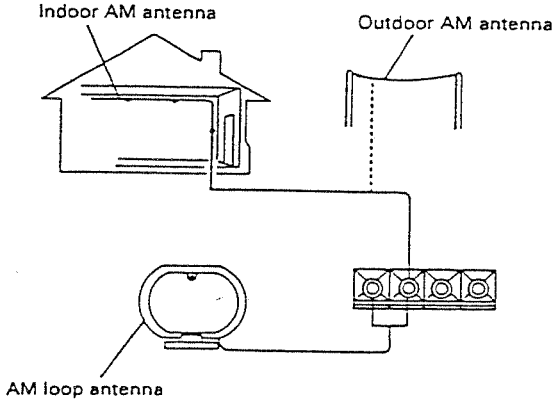
To attach the antenna to a wall, etc.

1. Select the place that yields the best reception.
2. Screw the leg to the wall, etc.
3. Insert the clip on the bottom of the antenna into the groove on the leg.

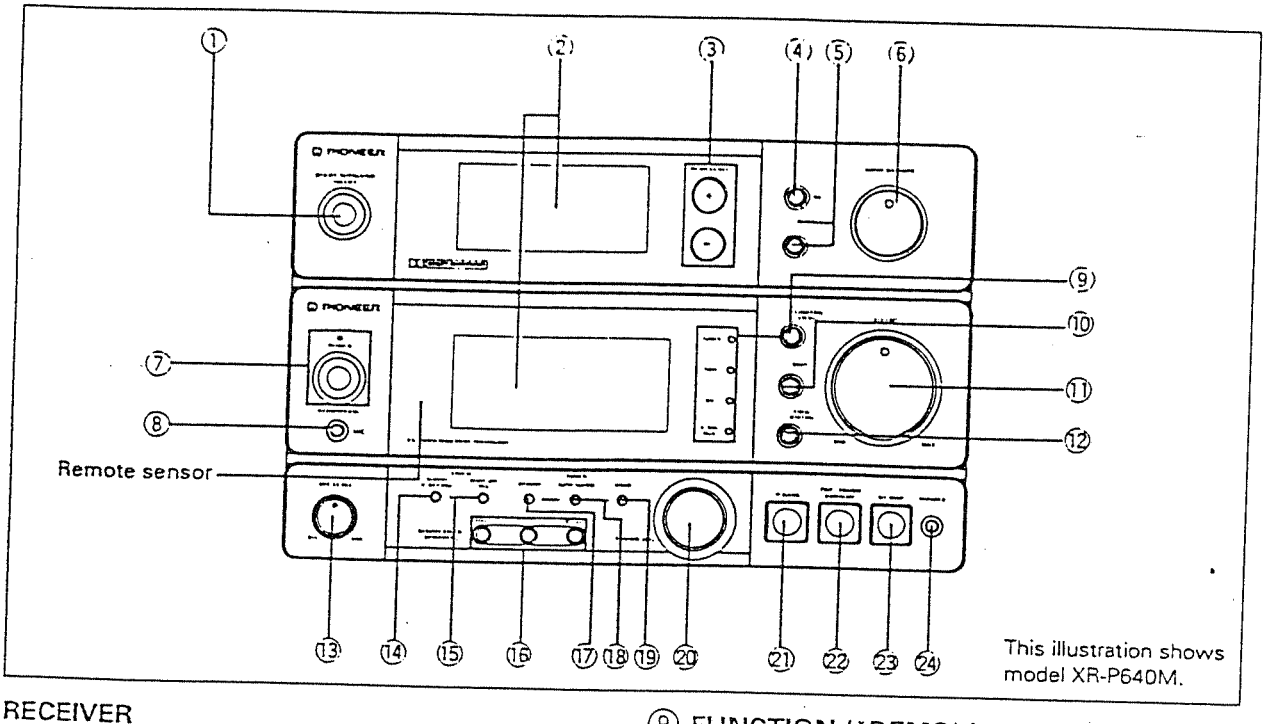


External AM antenna
Indoor AM antenna
Provide a vinyl-coated wire (5 to 6 meters long). Secure one end to the AM terminal and the other end to a wall or other high location.
Outdoor AM antenna
If reception is still poor even when a lead antenna has been fully extended indoors, stretch out a vinyl-coated wire and secure it outdoors.

NOTE:
Do not detach the AM loop antenna when using the external AM antenna.



NAMES AND FUNCTIONS OF PARTS



RECEIVER

The XR-P340/XR-P340M is not equipped with the buttons ①–⑥.

① DOLBY SURROUND ON/OFF button (XR-P640M only)
①' CENTER/REAR button (XR-P740M only)
② Display
③ REAR LEVEL (+, –) buttons (XR-P640M only)
③' CENTER/REAR LEVEL (+, –) buttons (XR-P740M only)
④ SURROUND ON button (XR-P640M only)
④' CENTER MODE button (XR-P740M only)
⑤ SURROUND OFF button (XR-P640M only)
⑤' DD MODE button (XR-P740M only)
⑥ INPUT BALANCE control (XR-P640M only)
⑥' BALANCE (L,R) control (XR-P740M only)
⑦ POWER STANDBY/ON switch and STANDBY indicator

This is the switch for electric power.

ON: When set to the ON position, power is supplied and the unit becomes operational.

STANDBY: When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness. (The STANDBY indicator lights.)

⑧ Microphone jack (MIC)
⑨ FUNCTION (*DEMO) button and indicators

Each time this button is pressed, the function changes in the following sequence (The selected function is displayed in the display window and indicator.):

TUNER → TAPE → CD → VIDEO/AUX

⑩ BAND button
⑪ VOLUME control
⑫ FREQ/STATION button
⑬ MIC LEVEL control
⑭ CLOCK/CLOCK ADJ button
⑮ WAKE-UP/REC button
⑯ SOUND FIELD CONTROL buttons (HALL, DISCO, MOVIE)
⑰ MEMORY button
⑱ AUTO TUNING button
⑲ MONO button
⑳ TUNING JOG knob
㉑ P. BASS button
㉒ ONE-TOUCH KARAOKE button
㉓ ST WIDE button (XR-P740M/XR-P640M)
㉓' SURROUND & ST WIDE button (XR-P340/XR-P340M)
㉔ Headphones jack (PHONES)

**

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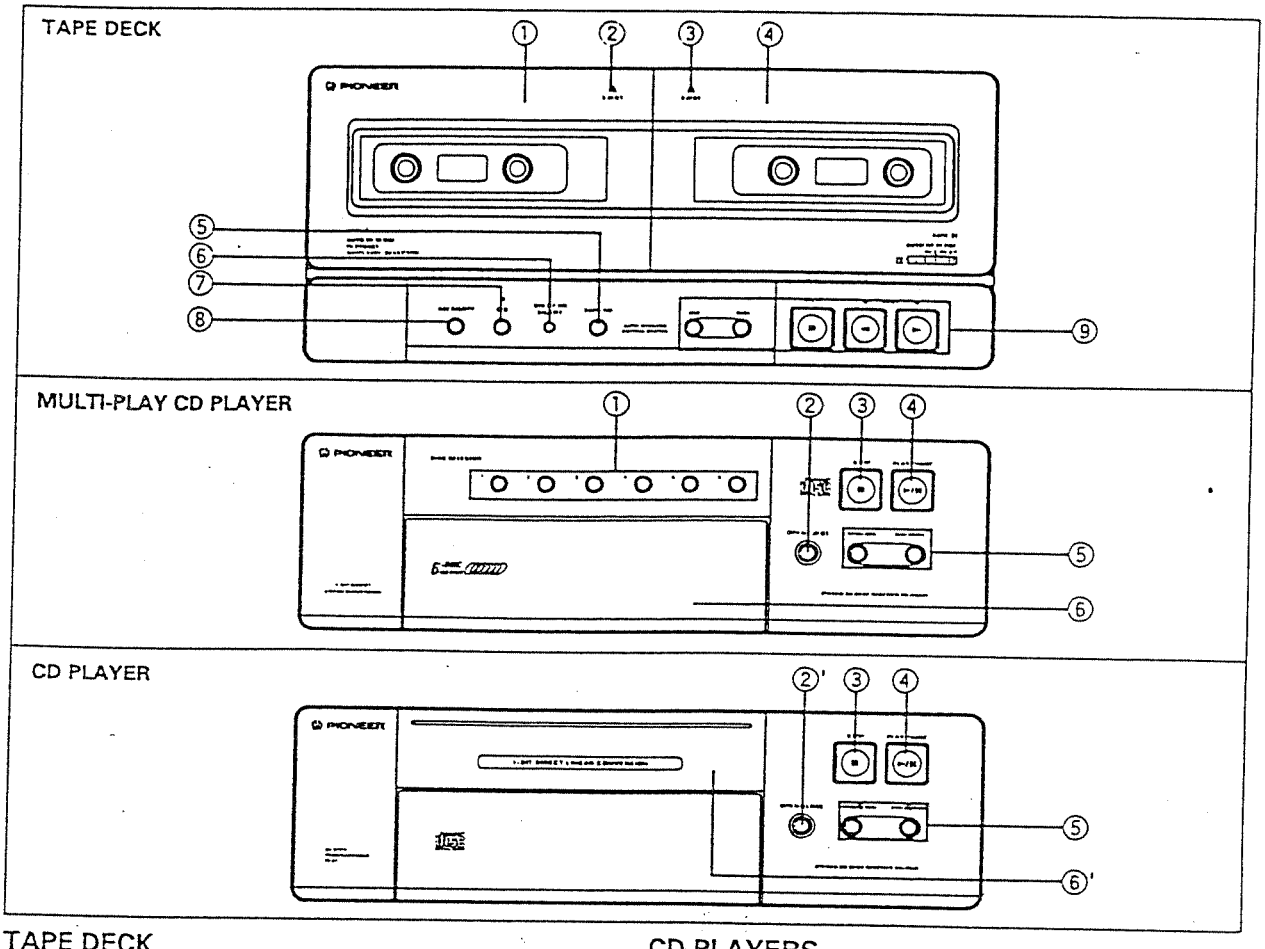


TAPE DECK

① TAPE I cassette door
② TAPE I EJECT section (▲)
③ TAPE II EJECT section (▲)
④ TAPE II cassette door
⑤ TAPE 1/2 selector button
⑥ DOLBY* NR B/C OFF button (XR-P740M and XR-P640M)
Each time this button is pressed, DOLBY NR setting changes B → C → OFF.
⑥' DOLBY* NR ON/OFF button (XR-P340/XR-P340M only)
Each time this button is pressed, DOLBY NR system turns ON and OFF.
⑦ Rec pause button (● II)
⑧ ASES (Auto Synchro Editing System)/COPY button
⑨ TAPE operation buttons
(PLAY ◄ ►, STOP ■, Fast ◄◄ ►►)

■ Auto Function

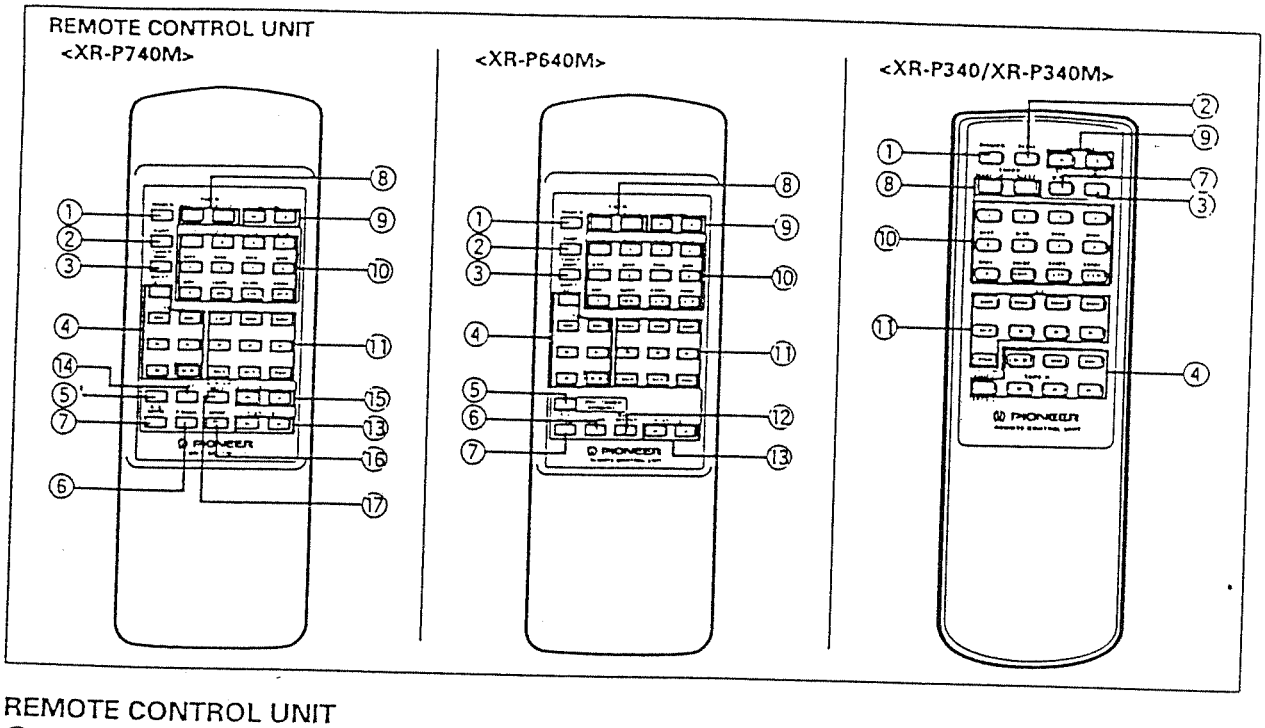
This model is equipped with "Auto Function" operation, so when the switch for PLAY/PAUSE, DISC SELECTOR 1-6, RND, TAPE 1/2, PLAY (tape), or BAND is pressed, the function switches automatically. Use the FUNCTION button to select the component connected to the VIDEO/AUX IN jacks, since Auto Function is not effective for this.

NOTE:
The function cannot be switched during recording and tape copying.

CD PLAYERS

① DISC SELECTOR buttons (1~6)
② OPEN/EJECT button
②' OPEN/CLOSE button
③ STOP button (■)
④ PLAY/PAUSE button (►/II)
⑤ Manual/Track search buttons (|◄◄ · ◄◄, ►► · ►►|)
⑥ Magazine slot door
⑥' Disc tray

- *Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.*
- *"DOLBY" and the double-D symbol ⊡⊡ are trademarks of Dolby Laboratories Licensing Corporation.*



REMOTE CONTROL UNIT

① POWER button

② Function button (FUNC)

Each time this button is pressed, the function changes in the following sequence:

TUNER → TAPE → CD → VIDEO/AUX → TUNER

③ TUNER BAND button

④ TAPE operation buttons (SHIFT TAPE I, Fast ◄◄ ►►, Play ◄ ►, Stop ■, Rec pause ● II)

To operate TAPE I, press the desired deck operation button while pressing SHIFT TAPE I. (Except for the Rec pause ● II button)

⑤ ONE-TOUCH KARAOKE button (XR-P640M only)

⑤' KARAOKE button (XR-P740M only)

⑥ P. BASS button (Except for XR-P340/XR-P340M)

⑦ SFC MODE button

⑧ TIMER control buttons (WAKE-UP, SLEEP)

⑨ VOLUME (–/+) buttons

⑩ Number buttons

These buttons are used for selecting track numbers of a CD and scanning preset stations.

⑪ CD operation buttons (DISC, Track search I◄◄ ►►I, Pause II, Stop ■, Play ►, RND (Random), REP (Repeat), PGM (Program))

⑫ DD SURROUND button (XR-640M only)

⑬ REAR LEVEL (–/+) buttons (Except for XR-P340/XR-P340M)

⑭ Test tone button (TEST) (XR-P740M only)

⑮ CENTER LEVEL (–/+) buttons (XR-P740M only)

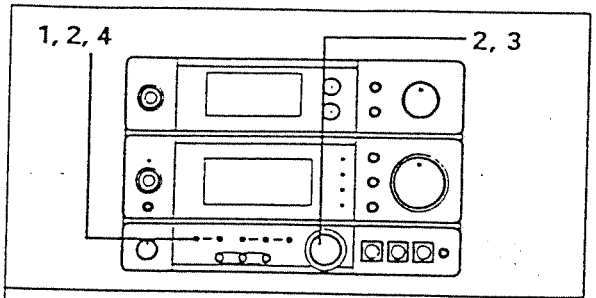
⑯ DD MODE button (XR-P740M only)

⑰ CENTER MODE button (XR-P740M only)

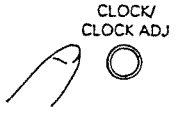
SETTING THE CLOCK

- Set the clock when it has been incorrectly set, or when power has been cut to the unit.
- This clock provides a 24 hour display.
- The clock cannot be set by the remote control unit.

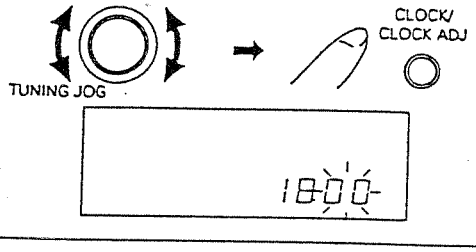
Example: Setting the clock to 18:40



1 While power is turned off, keep CLOCK/ CLOCK ADJ pressed for more than 5 seconds.

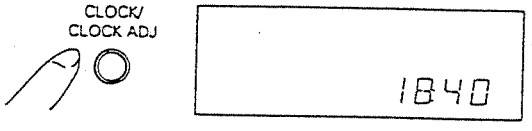


2 Set the hour by turning the TUNING JOG knob and press CLOCK/CLOCK ADJ.



3 Set the minute by turning the TUNING JOG knob.

4 Press CLOCK/CLOCK ADJ, when "00" seconds of that minute are reached for precise adjustment.

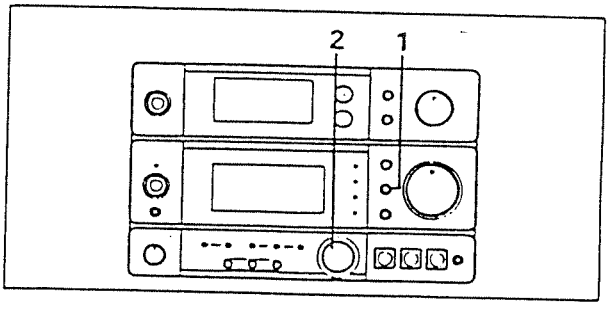


- After connecting to an AC outlet, be sure to set the present time. Timer playback and timer recording are not possible unless the time has been set.
- The time display will appear as "-:-:-" when the power is restored following a power failure, or if the power cord has been disconnected. In this case, be sure to set the present time again.

Operations indicated by the [ ] mark are performed with the remote control unit.

TUNING INTO STATIONS

- Broadcast reception is not possible unless an antenna is connected, so be sure to connect one.



1 Select AM or FM with BAND.
2 Tune in the desired station with turning the TUNING JOG knob.

- **Manual tuning**
  Turn the TUNING JOG knob slowly. When the broadcasting station is tuned in, the TUNED indicator lights up.

- **Auto tuning**
  Press the AUTO TUNING button. The tuner will automatically search for a broadcasting station and stop scanning when one is tuned in.

MONO button
During FM reception: Switches between stereo and monaural modes when listening to a stereo broadcast. If there is a lot of noise in the stereo position, switch to MONO and the noise will be suppressed.

To change the frequency step

The frequency changes in steps of 50 kHz for FM and 9 kHz for AM. If necessary, you can change the FM frequency step to 100 kHz and the AM frequency step to 10 kHz.

1 Turn off the power.
2 While pressing the FREQ/STATION button, turn on the power.

Repeat 1-2 to reset the frequency step.

Beat cut function

If noise occurs during AM broadcast recording, perform the following procedures to reduce the noise.

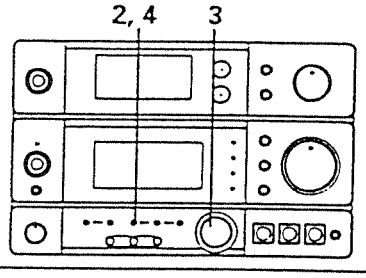
1 Press the POWER switch so that the STANDBY indicator lights up.
2 Turn on the power while pressing the BAND button. (The BEAT CUT indicator on the display lights up.)

- To cancel the BEAT CUT function, repeat 1 and 2.

MEMORIZING STATIONS

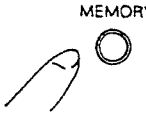
Manual presetting

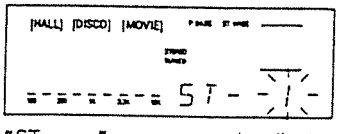
- Up to 24 FM/AM stations can be memorized at random.
- For FM reception, the FM MONO setting can be memorized.



1 Tune in the desired station.

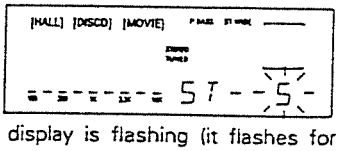
2 Press MEMORY.





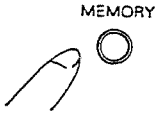
"ST – – –" appears on the display.

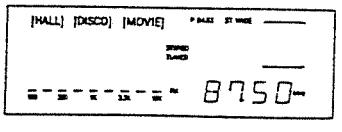
3 Select the station number to be memorized with TUNING JOG.



Operate while the display is flashing (it flashes for approx. 5 seconds).

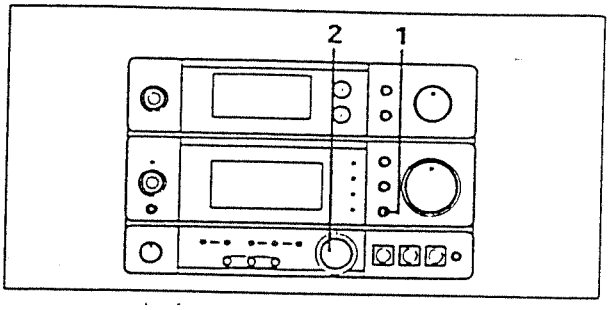
4 Press MEMORY.





Operate while the display is flashing (it flashes for approx. 2 seconds).
The displayed frequency is stored in the selected station No. Repeat steps 1 through 4 to memorize up to 24 stations.

Station call



1 Press FREQ/STATION to select station mode.
Station No. appears on the display.

2 Select the station No. you want to recall with TUNING JOG.

- When the function is set to TUNER, it is possible to select the station with the number buttons on the remote control unit.

NOTES:

- *The memorized stations will not be erased even if the power is turned off. However, if the AC power cord is unplugged or a power failure occurs, the memorized stations will be erased. (If the AC power cord is unplugged, the memorized stations will be preserved for several days.)*
- *If the memorized stations have been erased, memorize them again.*

CAUTIONS REGARDING COMPACT DISC HANDLING

CARE OF DISCS

- When holding discs, do not touch their signal surfaces.

STORING DISCS

- Always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures.
- Always read and abide by the precautionary notes listed on disc labels.

CLEANING DISCS

- Fingerprints or smudges on the surface of a disc will not directly affect the recorded signals. Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery.
- If a disc becomes very dirty, dip a soft cloth in water, and after wringing it out well, wipe the dirt away gently. Remove any water drops with another soft, dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.

- Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the label.
- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.

Notes on Multi-play CD cassette deck receiver:

- *In order to play an 8-cm (3 inch) CD you will need a special Multi-Play Magazine (JD-M108 or JD-M308) which is sold separately. Be sure to read thoroughly the Operating Instructions before using it.*
- *8-cm (3 inch) CD Adaptors*
  It is possible that even an adaptor which meets recommended standard CD specifications will not be usable with the CD player. It is recommended that the special Multi-Play Magazine (JD-M108 or JD-M308) be used.
- *Never load an 8-cm (3 inch) CD or its adaptor into a standard 12-cm (5 inch) magazine. This may seriously damage the CD player.*

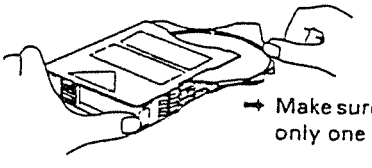
CD LENS CLEANER

The player's pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, ask your nearest PIONEER authorized service center. Lens cleaners for CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens.

INSERT DISCS INTO THE MAGAZINE (Multi-play CD cassette deck receiver)

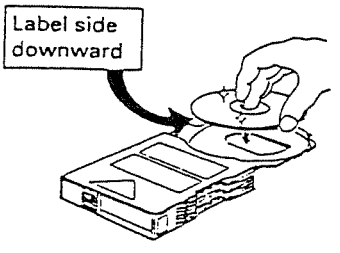
Insert any discs which you may have into the supplied magazine. Up to six discs may be inserted. The numbering of the discs begins with 1 at the topmost tray, and then increases in order downwards to 6 for the lowest tray. The magazine has a window through which the pulled-out disc tray can be checked. Even during playback, the number of the disc being played back can be checked through this window.

1. Pull out only one disc tray.



→ Make sure to pull out only one disc tray.

2. Position discs with the label side downward.



CAUTION:

- Please make sure you only pull out one disc tray at a time. (When a disc tray has been pulled out, do not pull out other disc trays.)
- If discs are inserted label side upward, it will not be possible for them to be played. Please make sure you insert them with the label side downward.
- Objects other than discs (song cards, explanations of disc contents, etc.), must never be inserted into the disc trays.
- Do not touch the playing surface of discs (iridescent side) with hands or fingers.

Additional magazines identical to the one supplied are available as options (*JD-M100, JD-M200, JD-M300, JD-M108, JD-M308).
Please use them to make your own disc library, with separate magazines for each artist or genre.

* JD-M100, JD-M200, JD-M300 ..... Magazine for 12-cm (5 inch) discs
  JD-M108, JD-M308 ..... Magazine for 8-cm (3 inch) discs

NOTE:
Both 12-cm (5 inch) discs and 8-cm (3 inch) discs cannot be installed together in a magazine.

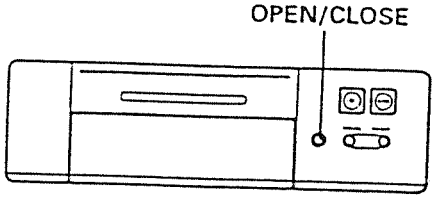
Cautions regarding handling of magazines

- When inserting a magazine into the player, make sure that the direction of insertion is correct.
- Do not take magazines apart.
- Be careful not to drop, or hit magazines against things. Also do not apply strong force to trays which have been withdrawn.
- Application of benzene, thinner, insecticide or other volatile liquids to a magazine may damage the surface, so keep magazines away from such substances.

LISTENING TO COMPACT DISCS

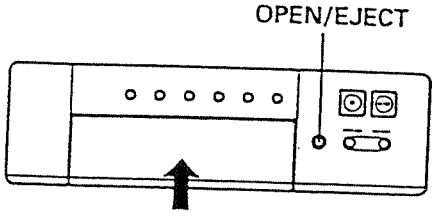
<CD cassette deck receiver>

1

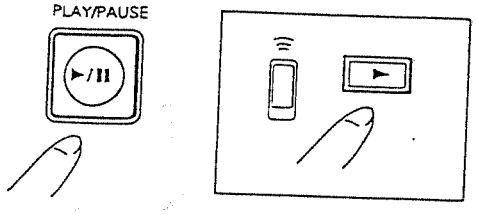


<Multi-play CD cassette deck receiver>

1



2



To play a compact disc

[CD cassette deck receiver]

1 Press OPEN/CLOSE and load a disc with the label surface facing up.

Place 8 cm or 12 cm disc on the disc tray in the groove corresponding to the size of the disc.

[Multi-play CD cassette deck receiver]

1 Press OPEN/EJECT. Insert a magazine and push it in until a click sound is heard.

2 Press PLAY/PAUSE ►/II (or CD ► on the remote control unit) to start playback.

The first disc is automatically set for playback.

NOTES:

- *If the function is switched during CD playback, the CD player enters stop mode automatically.*

Single CD deck receiver only:

- *When setting an 8 cm CD single, do not use the 8 cm CD single adaptor.*
- *Never attempt to load both 8 cm and 12 cm discs togeter, since disc damage or other malfunctions may result. Always load only one disc at a time.*

To remove a disc (CD cassette deck receiver)

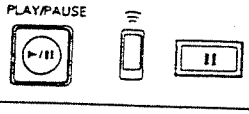
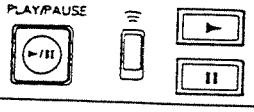
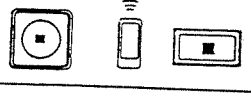
1 Press OPEN/CLOSE to open the disc tray.
2 Remove the disc and return it to its protective case.
3 Press OPEN/CLOSE to close the disc tray.

To take out the magazine (Multi-play CD cassette deck receiver)

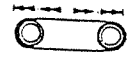
Depress the OPEN/EJECT button and remove the magazine.

CAUTION:
Do not unplug the power cord during playback, as this could result in damage to the disc.

To stop playback

Function	Buttons
To stop playback temporarily	
To play back again	
To stop playback	

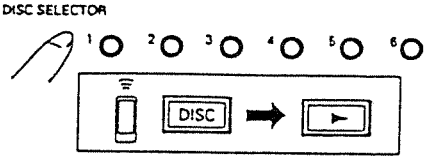
To search for a particular track

Function	Buttons
To search for the beginning of a track	Pressed.
To rapidly advance forward or backward (Main unit only)	 Keep pressed.

VARIOUS OPERATIONS OF THE CD PLAYER

Disc search - To search for a particular disc (Multi-play CD cassette deck receiver)

In the playback, stop, or pause mode

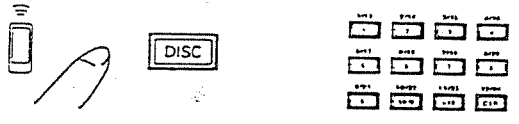


When DISC SELECTOR (1 - 6) is pressed, the player searches for the specified disc and playback starts from the beginning of that disc. If Disc Search is carried out in pause mode, the player searches for the beginning of the specified disc and then enters pause mode.
With the remote control unit, each time DISC is pressed the disc No. changes. In stop mode, press ► to start playback.

NOTE:
If the disc number of a tray which does not contain a disc is selected, playback cannot start from that disc number.

To play back desired track (Direct search)

- Set the function mode to CD and then operate with the remote control unit.



[CD cassette deck receiver]

Enter the track number with the number buttons.

<Example>
To select the track number 3

To select the track number 12 (Track number cannot be selected with pressing .)

To select the track number 20

Playback of the specified track will start.
If you make a mistake during entry, press the correct number.

[Multi-play CD cassette deck receiver]

1 **Select the desired disc with the DISC SELECTOR buttons in the playback or stop mode.**
2 **Enter the track number with the number buttons.**

For operating the number buttons, refer to the example above.

When II is pressed before selecting the track number the player enters pause mode at the beginning of the selected track.
To start playback, press II or ►.

Random playback - To play all tracks in random order

[CD cassette deck receiver]
When RND is pressed, the RND indicator lights and all tracks on a disc are played in a random order.
[Multi-play CD cassette deck receiver]
When RND is pressed, the RND indicator lights and all tracks on all discs are played in a random order.
After all the tracks are played, the player enters stop mode.
- To stop random playback, press ■.

NOTES:
- *Random playback cannot be applied to the programmed tracks.*
- *If RND is pressed during program playback, the programmed contents will be erased.*

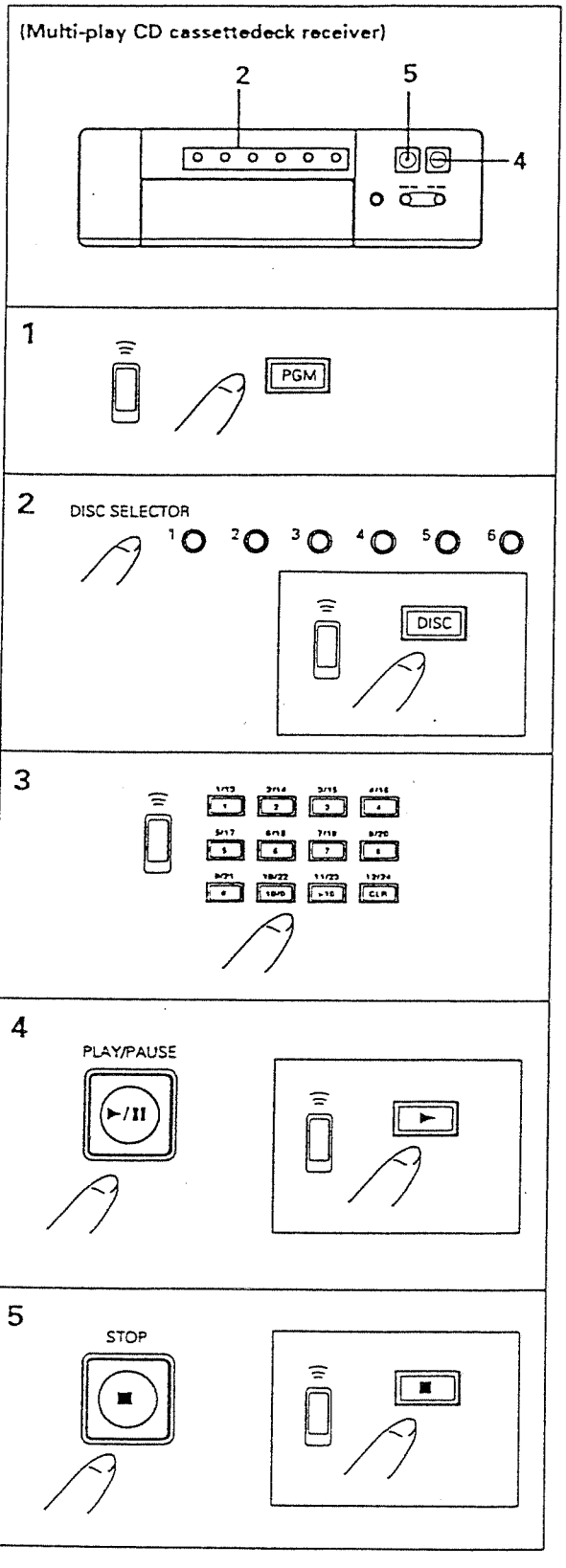
To repeat playback (repeat play)

- The REPEAT indicator lights up.

[CD cassette deck receiver]
All tracks will be repeated.
[Multi-play CD cassette deck receiver]
All tracks of all discs will be repeated.

In the repeat mode, programmed play and random play will be repeated.
- To exit repeat mode, press REP or STOP so that the REPEAT indicator goes off.
- To repeat one track, program one track and press REP (See page 16).

TO PLAY ONLY DESIRED TRACKS/DISCS



Program playback - To program tracks/ discs in desired order

- Up to 32 steps can be programmed with in magazine, and up to 24 steps can be programmed with in the single CD deck receiver.
- Operation 2 is not necessary with the CD cassette deck receiver.

1 **In the stop mode, press PGM.**
PGM indicator lights.

[Multi-play CD cassette deck receiver only]

2 **Press the DISC SELECTOR button which contains the track to be programmed.**
When the DISC SELECTOR button on the main unit is pressed, all tracks on the disc is programmed. By pressing the number button, all programmed tracks are canceled, and the selected track number is programmed. In this case, the selected disc number returns to the first one.

3 **Press the number buttons in desired order to play back.**
Multi-play CD cassette deck receiver:
The display will show the programmed track number and then the program step.
CD cassette deck receiver:
The display will show the programmed track number and then the total playback time of programmed track.

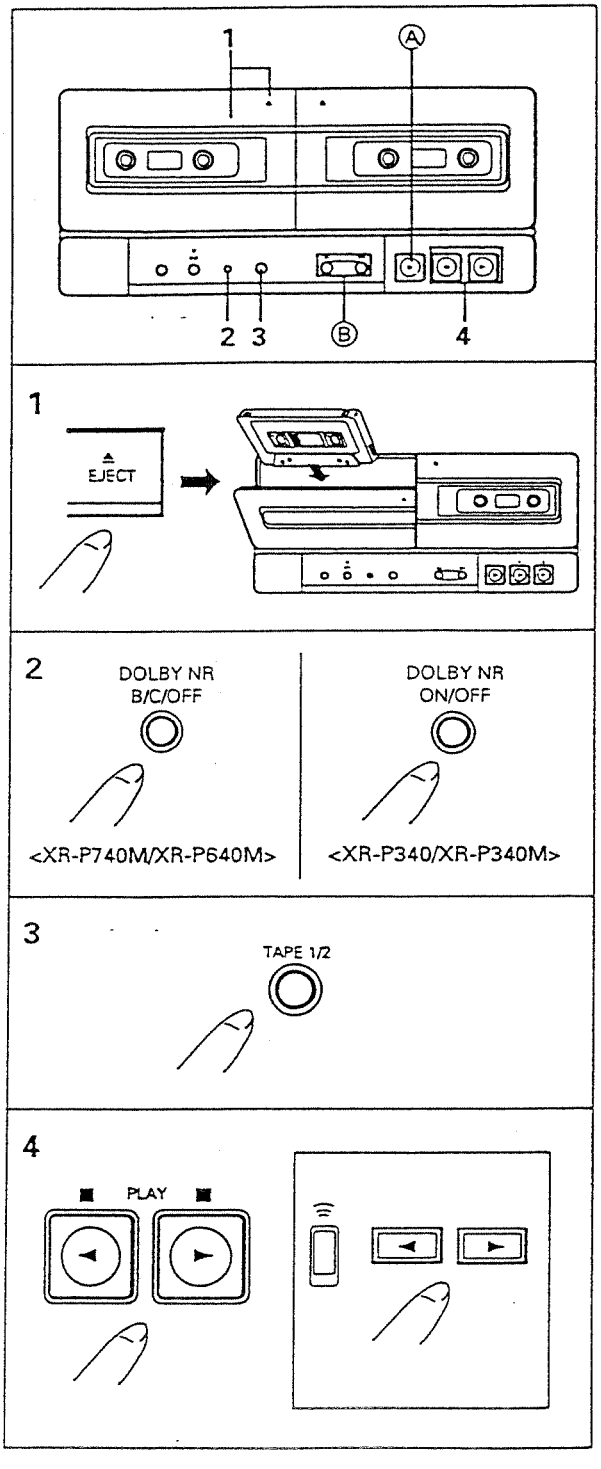
4 **Press ►/II (or CD ► on the remote control unit).**

5 **To stop Program playback, press ■.**

To clear all of the program contents

- In the stop mode, press ■ or OPEN/EJECT (OPEN/CLOSE).
- In the playback mode, press ■ twice.
- Each time the CLR button on the remote control unit is pressed in the stop mode, the last programmed step will be cleared.

PLAYING TAPES



Basic operation

- Tapes may be played back in TAPE I or TAPE II but not in both decks at the same time.

1 Press EJECT ≙ and load a recorded tape, then push in the cassette door until it locks.

For relay playback load tapes into TAPE I and TAPE II. Relay playback is repeated as follows (32 sides maximum):

TAPE I forward playback (►) → TAPE I reverse playback (◄) → TAPE II forward playback (►) → TAPE II reverse playback (◄)

If there is a tape in only one deck, that deck continuously plays both sides of the tape (16 sides maximum).

2 Set DOLBY NR to the same position used for recording.

Tapes recorded using Dolby noise reduction should always be played back with the noise reduction system on.

3 Select the TAPE I or TAPE II which is desired to play back with the TAPE 1/2 selector button.

When the tape is loaded, loaded deck will be selected.

4 Press ► or ◄ to start playback.

►: Forward playback
◄: Reverse playback

To stop playback, press STOP ■.
To fast forward or rewind, press ►► or ◄◄.

- This deck automatically plays both sides of a tape.

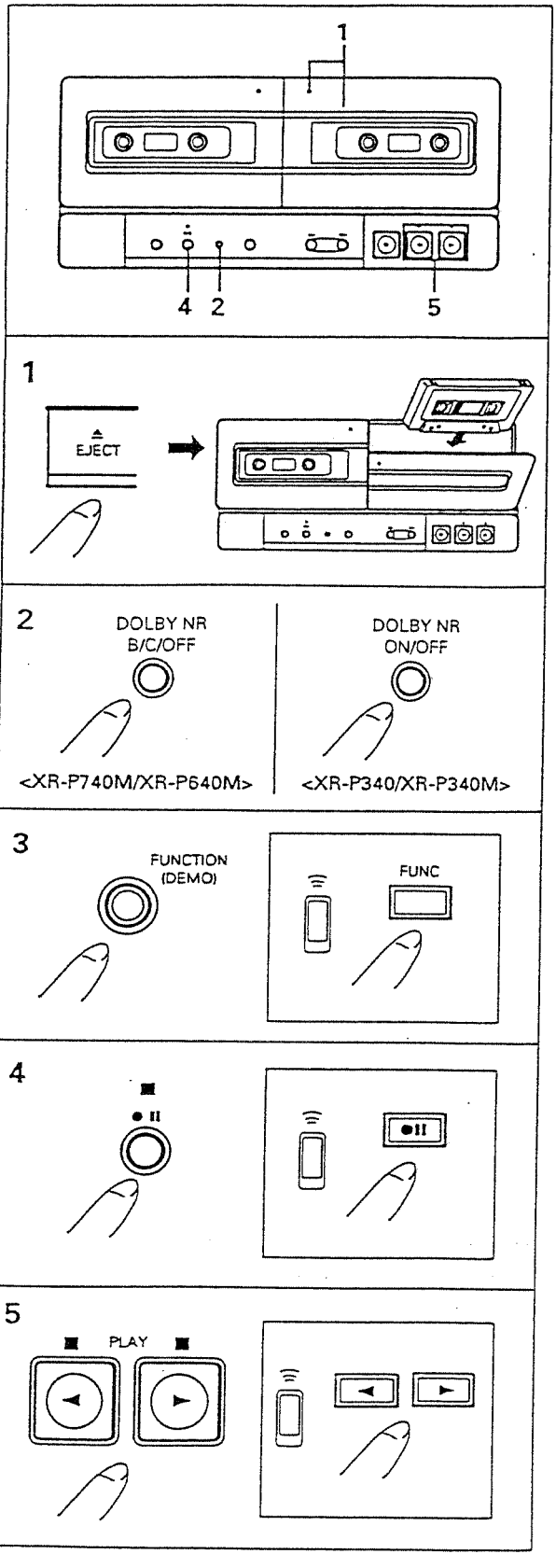
NOTE:
To operate TAPE I with the remote control unit, press the desired deck operation button (except for the Rec pause ● II button) while pressing SHIFT TAPE I.

NOTES:
- ***Do not press EJECT ≙ while the tape is running.***
- ***Confirm that the deck has stopped before pressing EJECT ≙.***

Auto Stop Mechanism

This mechanism automatically stops the tape when the end of the tape is reached during fast forward or reverse (◄◄ or ►►).

RECORDING



Recording on tape

- This deck is equipped with an auto-reverse function, so if you record in the ► direction, when recording finishes in that direction it will automatically start recording in the ◄ direction. If you only want to record on one side of the tape, record in the ◄ direction, or break off the accidental erasure prevention tab on the side you don't want to record on.
- Use a TYPE I (Normal) or TYPE II (HIGH/CrO2) tape.

1 Load the tape for recording into TAPE II.
- Wind the tape forward past the leader to the start of the magnetic coated portion.

2 Set DOLBY NR to the desired position.
- A tape recorded using the DOLBY NR system must be played back using the same system.

3 Select the program source to be recorded using the FUNCTION (DEMO) button on the receiver.

4 Press ● II.
The deck enters record-standby mode.

5 Press ► or ◄ to start recording.

6 Play the program source to be recorded.
- The recording level is automatically adjusted.

To stop recording:
Press STOP ■.

To stop recording temporarily:
Press ● II. To resume recording, press ► or ◄.

- In the rec pause mode or recording mode, input source cannot be changed.
- In the rec pause mode or recording mode, the sound field control, the stereo wide mode, Dolby surround mode, Dolby pro-Logic, Dolby 3ch Logic and Dynamic SFC do not function.
  During recording with P.BASS, the playback sound is heard with P.BASS, but not recorded.
  In the rec pause or recording mode, ONE TOUCH KARAOKE cannot be operated.
- This unit automatically sets the recording level by ALC (Auto Level Control) function.

Copying a tape

The contents of the tape in TAPE I can be copied onto the tape in TAPE II.
- The tape is copied with the same setting as the played one regardless of the setting of the DOLBY NR button.

1 Load the recorded tape into TAPE I and the tape for recording into TAPE II.
- Wind the tape forward past the leader to the start of the magnetic coated portion.
- Tape copying should begin in the forward direction (►).
- The tape copy mode is canceled when the end of either of the tapes is reached, so it is advisable to use tapes of the same length.

2 Set the FUNCTION (DEMO) button on the receiver to TAPE.

3 Press ASES/COPY to start copying.

To stop copying:
Press ■. Both decks will stop simultaneously.

Mixing recording

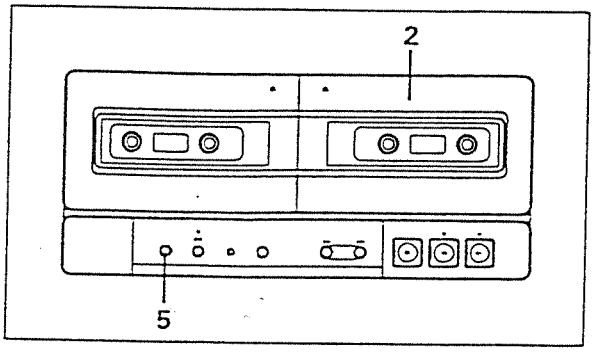
You can record the mixed sound onto a tape in TAPE II.

1 Perform steps 1 to 4 in the section "Mixing sounds". (p. 24)
2 Load a tape for recording into TAPE II.
3 Set DOLBY NR to the desired position.
4 Press ● II.
5 Press ► or ◄ on TAPE II to start recording.
6 Sing along with the program source.

NOTE:
Mixing recording cannot be performed when TAPE is selected in step 2 of "Mixing sounds" section.

A.S.E.S. (Auto Synchro Editing System)

For automatic recording of a CD to a cassette tape.



- A 10-second blank is recorded at the beginning of the tape automatically.
- Recording starts in the forward (►) direction.
- When recording on both sides, and the tape ends in the middle of a track in the forward (►) direction, recording starts from the beginning of the track when it continues in the reverse (◄) direction.

[Multi-play CD cassette deck receiver only]

- When the both indicators of DISC SELECTOR 1 and 2 are not lit, A.S.E.S. cannot be carried out. Be sure to insert a disc on the disc tray 1 or 2 of the magazine.
- A.S.E.S. cannot be carried out when all discs are programmed with the DISC SELECTOR buttons on the CD player.

1 Load the CD.
When programming is performed, tracks will be played in the programmed order.

2 Load the tape for recording into TAPE II.
Recording should begin in the forward direction (►).

3 Set the DOLBY NR to the desired position.

4 Set the FUNCTION (DEMO) button on the receiver to CD.

5 Press ASES/COPY.

To stop A.S.E.S. during recording:

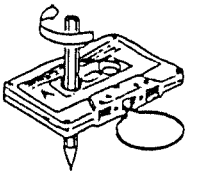
Press ■ or CD ■.

- When A.S.E.S. is activated, this unit sometimes is not operated correctly, for example, present track is skipped and next track is played back near the end of the tape. When CD finishes the playback, A.S.E.S. function stops. In this case, start recording without using A.S.E.S. function from the next track.

HOW TO HANDLE CASSETTE TAPES

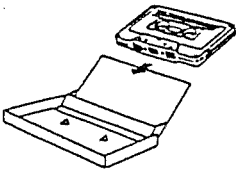
Is the tape loose, or is some of the tape sticking out of the cassette?

This will damage the tape itself. To remove the slack, insert a pencil into the spool and gently wind it.



Safekeeping

Put the cassette tape back into its case and store it in a location away from exposure to magnetic field, humidity, dust, or oil.



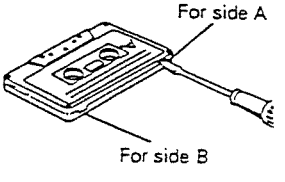
TIPS ON USING CASSETTE TAPES

- Leader tape (which does not allow sound to be recorded over it) is provided at the beginning of a cassette tape. Start recording after allowing the tape to run for approx. 5 seconds so that the leader tape clears the recording head.
- Forwarding or reversing the cassette tapes before recording prevents shock to the unit caused by a slack.

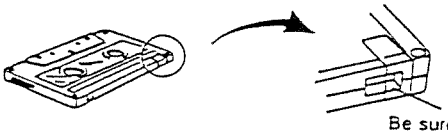
Do not use the tapes of more than 90 minutes.
Since the tapes of more than 90 minutes are so thin, they easily jam in the pinch roller and captan, and they are susceptible to other trouble such as irregular winding. Try not to use them with this unit.

How can you prevent accidental erasure?

When the tab on the cassette shell is broken out with the tip of a screwdriver, it will not be possible to activate the recording function even by pressing ● II, so valuable recordings will not be erased in error.



When you want to record again on a cassette with broken erasure prevention tabs, cover the hole with a double layer of adhesive tape.
With TYPE II (HIGH/Chrome) tape and TYPE IV (Metal) tape, be sure not to cover the tape-type detection holes.

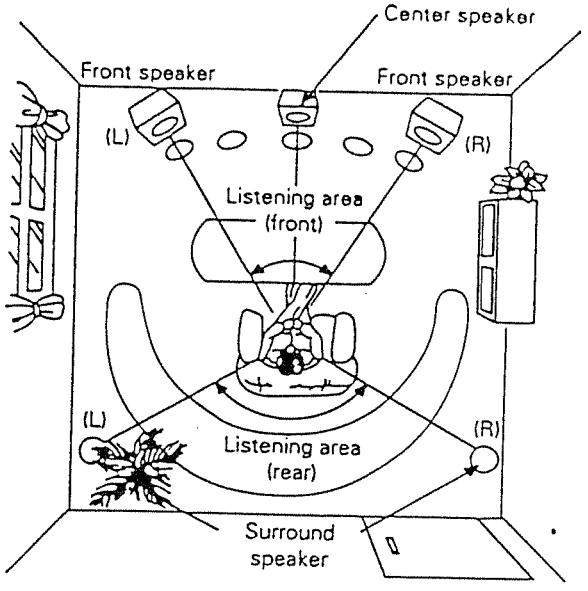


Be sure not to cover the tape-type detection holes.

SURROUND MODE

This section describes characteristics of various sound field mode, instllation and role of the speakers.

XR-P740M only:
When the sound is heard from the center speaker or surround speakers, the surround effect of some program sources recorded without surround system may not be fully obtained.



- The center speaker jack is equipped with XR-P740M only.

○ : to be connected	L, R : front speaker
△ : be connected for more effect	S : surround speaker (sold separately)
× : no need to be connected	C : center speaker (sold separately)

Mode		Sound field effect	Speakers			
			L	R	S	C
SFC	HALL	Provides a reverberation effect like that produced in a concert hall with abundant rich sound.	○	○	△	×
	DISCO	Boosts low frequencies and reproduces dynamic sound like in a disco.	○	○	△	×
	MOVIE	Naturally reproduces the conversations and effect sound with movie softwares and provides stereophonic effect.	○	○	△	×
STEREO WIDE		Expands the stereo sound.	○	○	△	×

XR-P640M only

[Dolby surround system]

Mode	Sound field effect	Speakers			
		L	R	S	C
DOLBY SURROUND	Reproduces music or movie software bearing the DOLBY SURROUND mark.	○	○	○	×

XR-P740M only

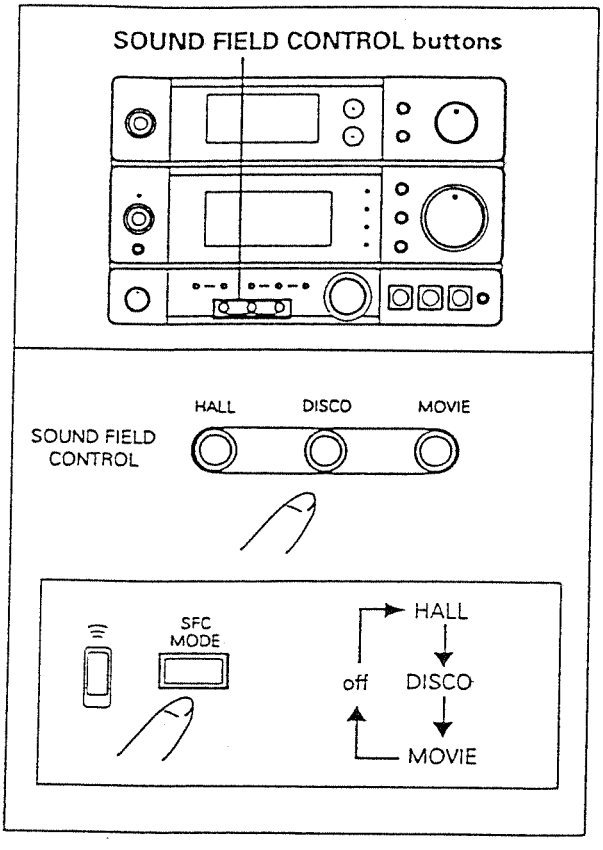
[Dolby surround system]

Mode		Sound field effect	Speakers			
			L	R	S	C
Dynamic SFC		Provides the high quality surround effect without using surround speakers. (SFC can be used together.)	○	○	×	×
DOLBY PRO LOGIC	NORMAL	Reproduces music or movie software bearing the DOLBY SURROUND mark.	○	○	○*	○
	PHANTOM	Reproduces the software mentioned above without using a center speaker.	○	○	○	×
DOLBY 3CH LOGIC		Reproduces the software mentioned above without using surround speakers.	○	○	×	○

* To be connected SURROUND speaker.

SOUND FIELD CONTROL OPERATION

Selecting a preset sound setting



Select one of the three settings with the SOUND FIELD CONTROL buttons.

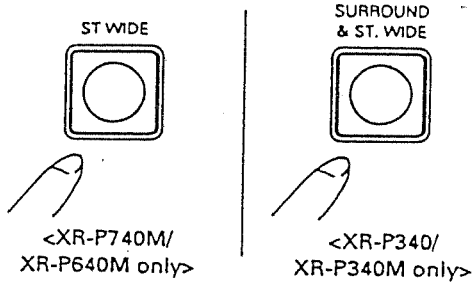
HALL: Provides a reverberation effect like that produced in a concert hall.
DISCO: This boosts bass and treble to deliver a powerful, more dynamic sound.
MOVIE: Naturally reproduces the conversations and effect sound, and provides wide and dynamic acoustics. This is effective with movie softwares.

To clear SOUND FIELD CONTROL settings:

Press the SOUND FIELD CONTROL button which is selected again, or the SFC MODE button on the remote control unit.

ADJUSTING THE SOUND

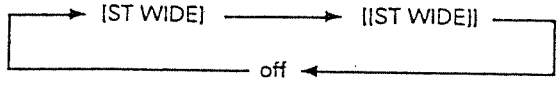
Creating an expansive sound field – Sound field of the STEREO WIDE mode



<XR-P740M/ XR-P640M only>

<XR-P340/ XR-P340M only>

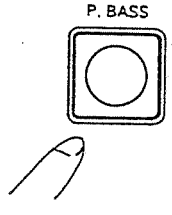
Each time the ST WIDE button is pressed, the setting of the STEREO WIDE mode changes in the following sequence.



[ST WIDE]
Creates more expansive sound field compared with the normal sound field.

[[ST WIDE]]
Creates more expansive sound field compared with [ST WIDE].

Boosting the bass sound

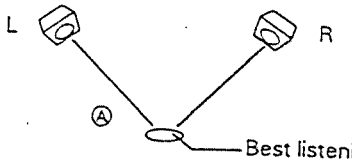


Press the P. BASS button. To cancel this function, press the button again.

Dynamic SFC (XR-P740M only)

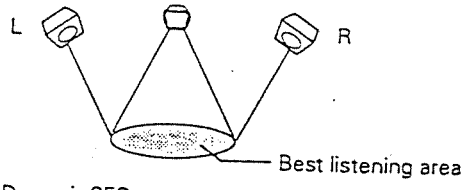
- **The Dynamic SFC is the system which makes the sound direction and distance clear, expands the listening area, and provides the presence by placing not only front speakers (L, R) but the center speaker.**

<Former front speakers>

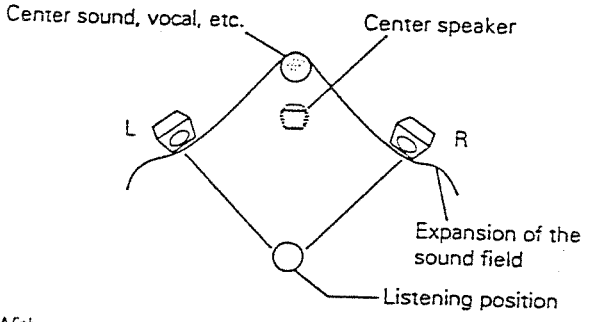


In the former front speakers, the listening position Ⓐ is not provided with the stereophonic effect, because the sound which is heard from the left speaker is louder than right speaker.

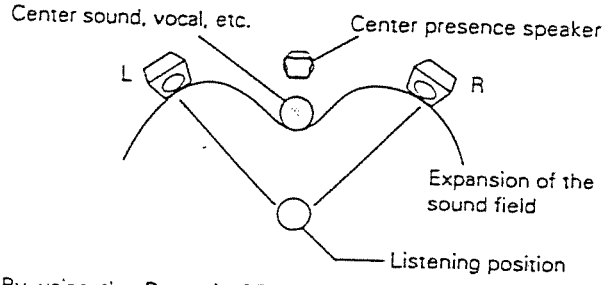
<Dynamic SFC>



By using the Dynamic SFC, center sound is controlled and the listening area is expanded.



Without center speaker, the reflected sound on the wall is delayed, and center sound is withdrawn in the SFC mode. At the listening position, sound is heard like at the backward of the wide concert hall.



By using the Dynamic SFC, center sound is added, and stereophonic effect is provided. At the listening position, sound is heard like at the forward of the wide concert hall. (vocal zoom effect)

- **To set center speaker to off**

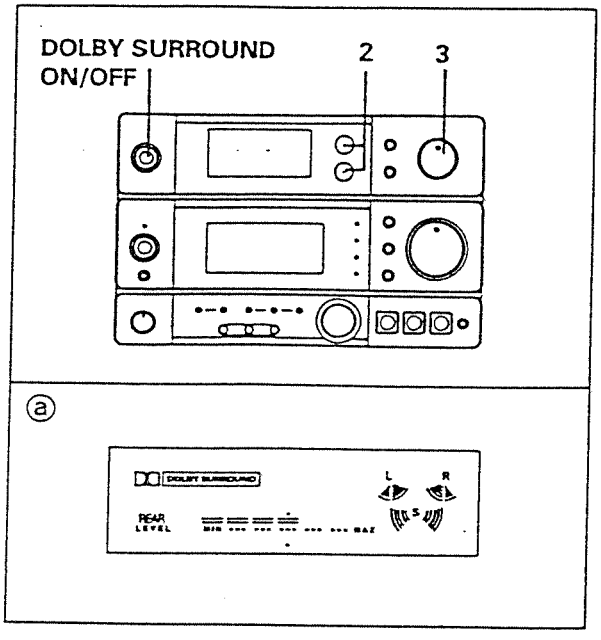
In the Dolby surround off mode, press the CENTER MODE button to set the center speaker's output to off. Normally stereophonic effect is reproduced.

Each time the CENTER MODE button is pressed, speaker's mode changes in the following sequence.

4ch mode: Dynamic SFC ON (speaker L, R, C, S)
↓
3ch mode: Dynamic SFC ON (speaker L, R, C)
↓
2ch mode: Dynamic SFC OFF (speaker L, R)
↓
(back to 4ch mode)

Creating the DOLBY SURROUND sound field (XR-P640M only)

This function reproduces a "live" atmosphere.



1 **Press DOLBY SURROUND ON/OFF so that the indicator lights.**

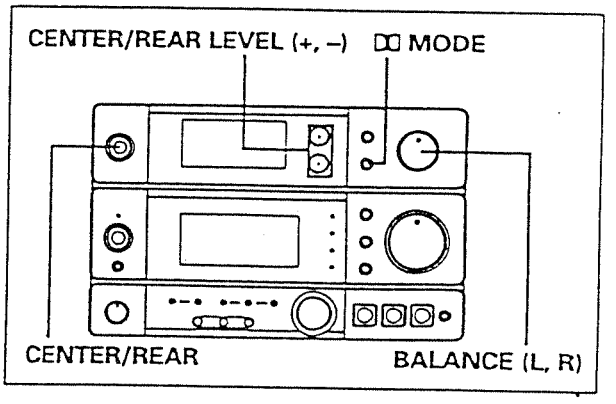
2 **Adjust the volume level of the rear speakers with REAR LEVEL –/+.**
The display shows the level of the rear speakers toward the level of the front speakers. Normally, adjust the level as shown in figure ⓐ.

3 **To obtain the DOLBY SURROUND effect properly, perform the following adjustment. Adjust the INPUT BALANCE control so that the monaural sound, such as an AM broadcast, heard from the rear speakers is minimized.**
- This adjustment has no effect on the balance of the left and right front speakers.

To turn off DOLBY SURROUND:
Press DOLBY SURROUND ON/OFF again.

NOTE:
Even if DOLBY SURROUND is turned off, sound comes from the rear speakers.

Using DOLBY PRO LOGIC SURROUND (XR-P740M only)



1 **Press the MODE button and select DOLBY PRO LOGIC or 3CH LOGIC.**
When DOLBY PRO LOGIC is selected, perform step 2.
When 3CH LOGIC is selected, perform step 3.
Each time this button is pressed, one of the settings willl be selected in the following order.

→ Pro Logic (PRO LOGIC) →
OFF ← 3ch Logic (3ch LOGIC) ←

2 **When DOLBY PRO LOGIC is set, use the CENTER MODE button to select the center mode.**
Each time the CENTER MODE button is pressed, one of the settings will be selected in the following order.

→ Normal (NORMAL) →
Phantom (PHANTOM) ←

3 **Press the CENTER/REAR button, and select the center or rear speakers to be adjusted. Press the CENTER/REAR LEVEL (+, –) button to adjust the volume.**
Each time the CENTER/REAR button is pressed, one of the settings will be selected in the following order.

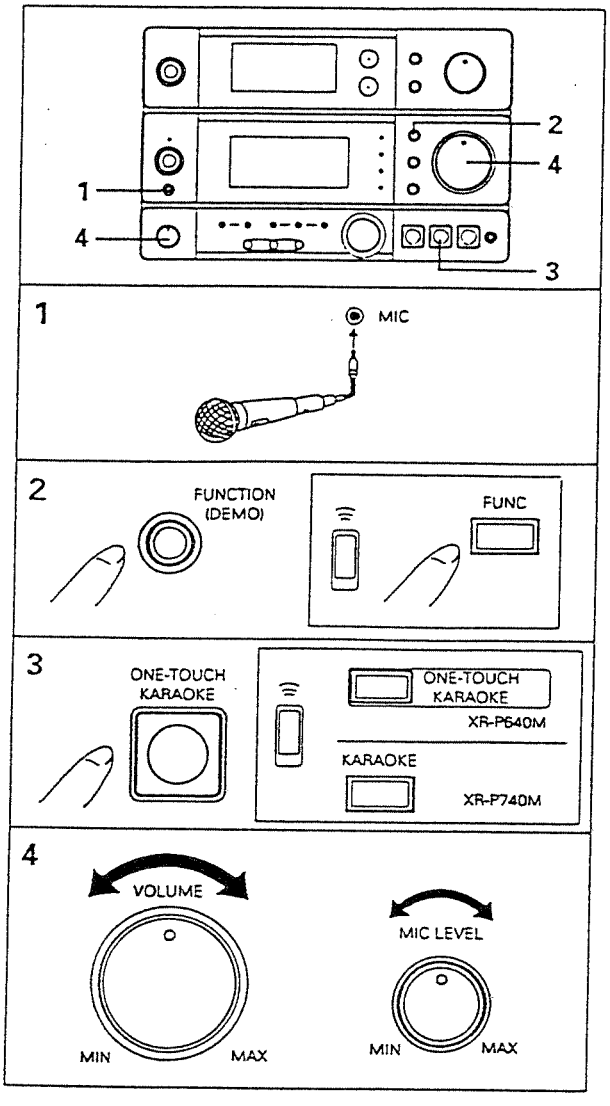
→ Center level (CENTER) →
Rear level (REAR) ←

- When 3CH LOGIC is selected, only the center level can be adjusted.

DOLBY PRO LOGIC and 3CH LOGIC adjustment procedures

1. After finishing the steps 1 and 3 described above, adjust the volume to normal level.
2. Press the TEST button on the remote control unit.
3. Listening to the test tone, adjust the left and right front speakers' volume to the same level with the BALANCE (L, R) control.
4. Listening to the test tone, select the center or rear speakers to be adjusted with the CENTER/REAR button. Press the CENTER/REAR LEVEL (+, –) buttons to adjust each speakers' output level to the same.
5. Press the TEST button.

ONE-TOUCH KARAOKE



Mixing sounds

- This function cuts frequencies in the vocal range during playback of a stereo source such as a CD, tape, or stereo FM broadcast. Setting the ONE-TOUCH KARAOKE button to ON, and singing into a microphone provides an easy way to enjoy karaoke. (Although this function cuts frequencies in the vocal range, it does not completely eliminate the sound of the vocals.) This function has no effect with monaural sources.

1 **Plug a microphone into the MIC jack.**
2 **Select the desired program source with the FUNCTION (DEMO) button and start playback of the program source.**
3 **Press ONE-TOUCH KARAOKE.**
4 **Adjust the volume with VOLUME and MIC LEVEL.**

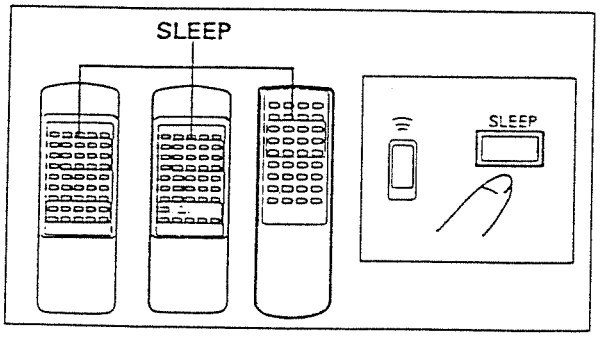
NOTES:
- *In the ONE-TOUCH KARAOKE mode, DOLBY PRO LOGIC SURROUND, DOLBY 3CH LOGIC, or Dynamic SFC is not activated.*
- *After using the microphone, set the MIC LEVEL control to the MIN position and unplug the microphone from the MIC jack. Be sure to set the MIC LEVEL control to the MIN position when the microphone is not used.*

If howling (microphone feedback) occurs:
During use of the microphone, if a high-pitched howling sound comes from the speakers, do one of the following:
Ⓐ Turn MIC LEVEL counterclockwise to decrease the microphone volume.
Ⓑ Locate the microphone away from the speakers.
Ⓒ Lower the sound volume.

- Achieving the full effect of this function may not be possible with songs featuring duets, different vocals on left and right channels, strong echo effects, or depending on recording conditions of sources.
- This function is most effective with sources other than tape.

For microphone mixing recording:
By performing recording on deck II, you can record the results of your microphone mixing. (When playing back the recorded tape, set the ONE-TOUCH KARAOKE to OFF.) Note, however, that microphone mixing recording cannot be performed when TAPE has been selected in step 2.

SLEEP TIMER

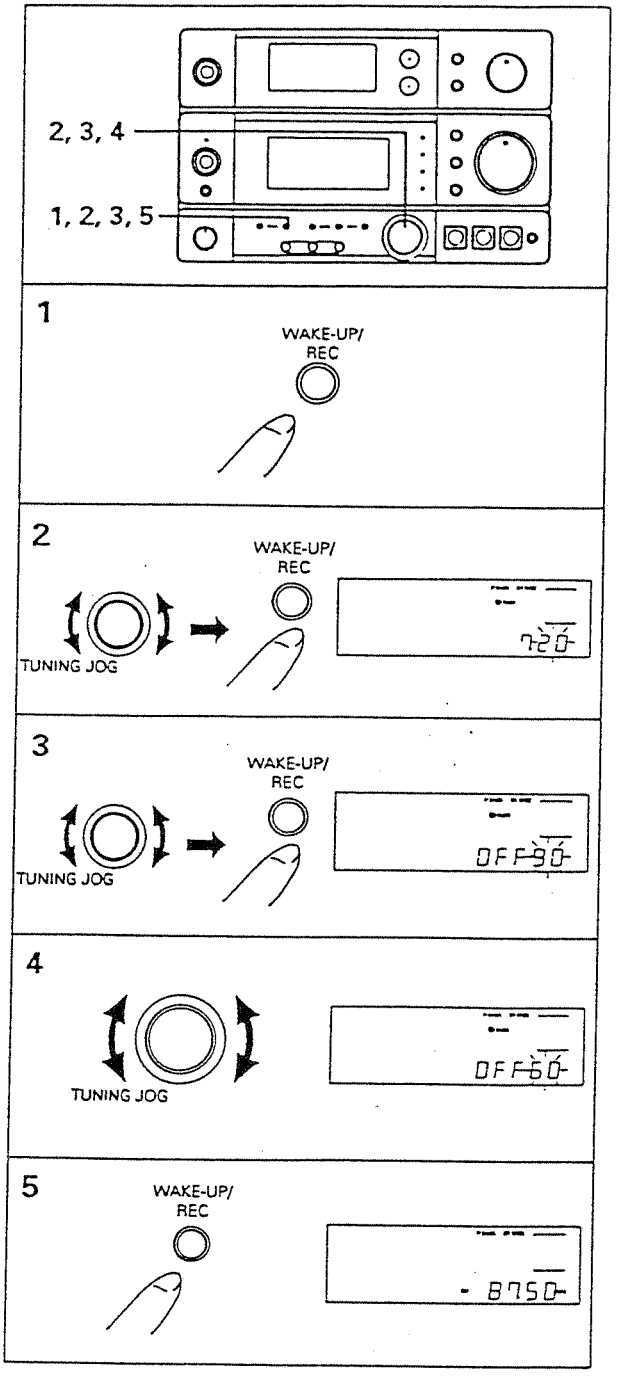


Sleep timer - Automatically turns off power

Power turns off automatically after the specified time has elapsed. Each time SLEEP is pressed, the setting changes in the following sequence: 90 → 60 → 30 → 0.

NOTE:
If you press SLEEP during Sleep operation, the time remaining till the power turns off is displayed. Do not press SLEEP when the remaining time is displayed. Otherwise, the setting changes and the sleep timer cannot function properly.

TIMER PLAYBACK/TIMER RECORDING



Timer setting

Example: Using TIMER from 7:30 to 8:30

To set the timer

1. Press the WAKE-UP/REC button.
2. Set the ON hour by turning the TUNING JOG and then press WAKE-UP/REC.
3. Set the ON minute by turning the TUNING JOG and then press WAKE-UP/REC.
4. Set the turning off time by turning the TUNING JOG.
   Turning off time changes in the following sequence: 90 → 60 → 30
5. Press the WAKE-UP/REC button.
   The timer setting is completed.

[To activate the timer]

To carry out the WAKE UP timer

1. Select the function to be played back with FUNCTION (DEMO).
   CD: Load the CD.
   TUNER: Select the station.
   TAPE: Load the cassette tape. (Playback starts from TAPE I forward playback (►).)
2. Adjust the volume.
3. Turn off the power.
4. Press the WAKE-UP/REC button so that the TIMER (TIMER WAKE UP) indicator lights.
   Timer on and off time are displayed for 3 seconds.

To set the timer recording

1. Set the function to TUNER.
2. Tune in the station to be recorded.
3. Load the tape for recording into TAPE II.
4. Set the volume to MIN position.
5. Turn off the power.
6. Press the WAKE-UP/REC button so that the TIMER (TIMER REC) indicator lights.
   Timer on and off time are displayed for 3 seconds.

To change timer settings

To change all of the timer settings, start over again, inputting the settings that you want.

If you make a mistake while setting the timer

Go ahead to the next item and continue setting the various items until you finish. Then use the "To change timer settings" procedure to change the value of the item that was incorrect.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

	Symptom	Cause	Remedy
General	**No sound from speakers.**	• AC cord is unplugged. • All cords are not connected firmly.	• Plug power cord into wall socket correctly. • Connect cords correctly referring to CONNECTIONS on page 6.
		• Function is not set to the desired listening source on the receiver.	• Select correct function.
Cassette tape deck	**Cassette door does not open.**	• The power cord was unplugged while tape was running.	• Plug the power cord.
	Cannot record.	• Erasure prevention tabs are broken off.	• Use cassette that can be recorded on, or apply adhesive tape over tab holes.
	Sound is muffled. Previously recorded sounds remain.	• Dirty heads.	• Clean heads.
	Sound is muffled. Treble tones too strong.	• Tape recorded with DOLBY NR but played without.	• Turn on DOLBY NR system for tapes recorded with DOLBY NR.
CD player	**Playback does not start.**	• Disc is loaded upside down.	• Load a disc correctly with the label side (printed side) UP. (With the magazine type, load a disc with the label side DOWN.)
		• Dirt, blur, etc. on the disc. • Disc has bad scratch or warp.	• Clean the disc. • Replace the disc.
Tuner	**Sound is distorted.**	• Antenna not connected. • Antenna in poor position. • Interference from nearby fluorescent light, hair dryer, or other electrical appliance.	• Connect antenna correctly. • Change antenna position. • Stop using device causing interference.
	There is no stereo sound.	• The MONO indicator in the display window on the receiver lights up.	• Press MONO so that the MONO indicator goes out.
Others	**Timer does not work.**	• Current time is not set.	• Set current time.
	Remote control does not work.	• Batteries are run down. • A fluorescent light is shining on the remote sensor window.	• Replace with new batteries. • Move the unit away from the fluorescent light.
	In the one-touch karaoke mode, noise is heard when using microphone.	• Interference from nearby fluorescent light, hair dryer, or other electrical appliance.	• Stop using device causing interference.

Abnormal functioning of this unit may be caused by lightning, static electricity, or other external interference. To restore normal operation, turn the power off and then on again, or unplug the AC power cord and then plug it in again.

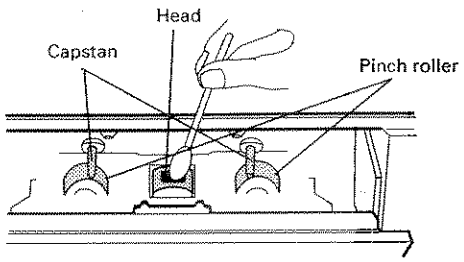
MAINTENANCE

Cleaning the head section

The heads, capstan and pinch roller are parts which are liable to become dirty quite easily. In particular, if the heads are dirty, the high frequency components of the sound will not be reproduced and the stereo balance will be impaired, resulting in a deterioration of sound quality. It is therefore recommended that the head section be cleaned regularly.

1. Turn the power off.
2. Press EJECT ⏏ to open the cassette door.
3. Dip a cleaning swab into head cleaning fluid and use it to wipe the head, capstan, and pinch rollers. Wait 2-3 minutes until the cleaning fluid dries.

NOTE:
This unit uses a head-slant standby system, with the result that the heads are mounted at an angled position.



- The illustration shows TAPE I.

Demagnetizing the cassette deck heads

The deck heads may become magnetized after the deck has been used for a long period of time, or if a magnet or other magnetized object (screwdriver, etc.) is brought near the heads. Magnetization of the heads results in increased noise and reduced ability to reproduce high-frequency sounds.
In this case, please use a commercially available head demagnetizer at regular intervals to eliminate the magnetic field on the heads. When using a head demagnetizer, turn this unit's power switch ON. In order to prevent adverse effects on the receiver and speakers, however, **be sure to turn down the receiver's volume control to its lowest position,** and disconnect any headphones from their headphones jack. For details, consult the instructions accompanying your head demagnetizer.

Maintenance of external surfaces

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water and wrung out well, then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzene, insecticide sprays or other chemicals on or near this unit, since these will corrode the surfaces.

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion-and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:
- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:
- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.
THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE	
90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

SPECIFICATIONS

STEREO CD CASSETTE DECK RECEIVER/STEREO MULTI-PLAY CD CASSETTE DECK RECEIVER: XR-P740M/XR-P640M/XR-P340M/XR-P340

Amplifier section

<XR-P740M/XR-P640M>

<FRONT>

Continuous Average Power Output is 70 Watts* per channel, min., at 8 ohms from 50 Hertz with no more than 1 % total harmonic distortion.**

Continuous Power Output (RMS) ..... 100 W + 100 W
(1 kHz, T.H.D. 10%, 8 Ω)

Peak Music Power (XR-P740M) ..... 1050 W

Peak Music Power (XR-P640M) ..... 950 W

<CENTER> (XR-P740M)

Continuous Power Output (RMS) ..... 15 W
(1 kHz, T.H.D. 10 %, 8 Ω)

<REAR>

Continuous Power Output (RMS) ..... 15 W
(1 kHz, T.H.D. 10%, 16 Ω x 2)

<XR-P340M/XR-P340>
(Australian model)
Continuous Average Power Output is 33 Watts* per channel, min., at 8 ohms from 50 Hertz with no more than 1 % total harmonic distortion.**

Continuous Power Output (RMS) ..... 50 W + 50 W
(1 kHz, T.H.D. 10%, 8 Ω)

Peak Music Power ..... 500 W

(U.S. and Canadian models)
Continuous Average Power Output is 50 Watts* per channel, min., at 8 ohms from 50 Hertz with no more than 1 % total harmonic distortion.**

Continuous Power Output (RMS) ..... 70 W + 70 W
(1 kHz, T.H.D. 10 %, 8 Ω)

FM/AM tuner section

FM Tuner Section

Frequency Range (9 kHz/10 kHz step) ..... 7.5 MHz to 108 MHz

Antenna Input ..... 75 ohms unbalanced

AM Tuner Section

Frequency Range

With 10 kHz step ..... 530 kHz to 1,700 kHz

With 9 kHz step ..... 531 kHz to 1,602 kHz

Antenna ..... Loop Antenna

Miscellaneous

Power Requirements

Australian models ..... 240 V AC, 50/60 Hz

U.S. and Canadian models ..... 120 V AC, 60 Hz

Power Consumption

Australian models (XR-P740M) ..... 444 W

(XR-P640M) ..... 432 W

(XR-P340/XR-P340M) ..... 276 W

U.S. and Canadian models (XR-P340M) ..... 163 W

Dimensions ..... 260 (W) x 371.5 (H) x 295 (D) mm
10-4/16 (W) x 14-10/16 (H) x 11-10/16 (D) in.
(XR-P640M/XR-P740M)
260 (W) x 310 (H) x 295 (D) mm
10-4/16 (W) x 12-3/16 (H) x 11-10/16 (D) in.
(XR-P340/XR-P340M)

Weight (without package)

(Australian model)

(XR-P740M/XR-P640M) ..... 9.5 kg (20 lb 15 oz)

(XR-P340M) ..... 7.4 kg (16 lb 5 oz)

(XR-P340) ..... 6.7 kg (14 lb 13 oz)

(U.S. and Canadian models)

(XR-P340M) ..... 8.4 kg (18 lb 8 oz)

CD Section

Type ..... Compact disc digital audio system

Wow and Flutter ..... Limit of measurement
(±0.001% W.PEAK) or less (EIAJ)

Cassette deck section

Systems ..... 4 track, 2-channel stereo

Heads ..... Recording/playback head x 1
Playback head x 1
Erasing head x 1

Motor ..... DC servo motor x 1

Tape type ..... TYPE I (Normal) tape/TYPE II (CrO_2) tape

SPEAKER SYSTEM: S-P740V-LRC/S-P640V/S-P340V/S-P340A

Enclosure ..... Bass-reflex bookshelf type

System ..... 16 cm (6-1/4 in) 4 way system (S-P740V-LRC/S-P640V)
15 cm (5-7/8 in) 3 way system (S-P340V/S-P340A)

Loud speakers:

Woofer ..... 16 cm (6-1/4 in) cone type (S-P740V-LRC/S-P640V)
15 cm (5-7/8 in) cone type (S-P340V/S-P340A)

Mid-range ..... 6.6 cm (2-9/16 in) cone type (S-P740V-LRC/S-P640V)
5.2 cm (2 in) cone type (S-P340V)
6.6 cm (2-9/16 in) cone type (S-P340A)

Tweeter ..... 2.0 cm (3/4 in) dome type
(S-P740V-LRC/S-P640V/S-P340V/S-P340A)

Super Tweeter ..... 1.6 cm (5/8 in) dome type
(S-P740V-LRC/S-P640V)

Nominal Impedance ..... 8 Ω

Dimensions ..... 190 (W) x 412 (H) x 275 (D) mm
7-7/16 (W) x 16-3/16 (H) x 10-13/16 (D) in. (S-P740V-LRC)
190 (W) x 371.5 (H) x 275 (D) mm
7-7/16 (W) x 14-5/8 (H) x 10-13/16 (D) in. (S-P640V)
180 (W) x 310 (H) x 271 (D) mm
7-1/16 (W) x 12-3/16 (H) x 10-5/8 (D) in. (S-P340V)
180 (W) x 310 (H) x 256 (D) mm
7-1/16 (W) x 12-3/16 (H) x 10-1/16 (D) in. (S-P340A)

Weight ..... 4.1 kg (9 lb 1 oz) (S-P740V-LRC)
3.7 kg (8 lb 3 oz) (S-P640V)
3.3 kg (7 lb 4 oz) (S-P340V)
3.5 kg (7 lb 11 oz) (S-P340A)

Center speaker (S-P740V-C)

Enclosure ..... Bass reflex type

Loud speaker:

Wide band (full-range) ..... 8.7 cm (3-3/8 in.) cone type

Nominal Impedance ..... 16 Ω

Dimensions ..... 150 (W) x 178 (H) x 101 (D) mm
5-7/8 (W) x 7 (H) x 3-15/16 (D) in.

Weight ..... 0.8 kg (1 lb 12 oz)

Accessories

Operating Instructions 1

Remote Control Unit 1

FM T-type Antenna 1

AM Loop Antenna 1

Speaker cords (S-P740V-LRC/S-P640V) 2

* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.

** Measured by audio spectrum analyzer.

NOTE:

Specifications and design subject to possible modification without noitce due to improvements.

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